

Title (en)  
STATIC ROUTE ADVERTISEMENT

Title (de)  
STATISCHE ROUTENWERBUNG

Title (fr)  
AVIS DE ROUTAGE STATIQUE

Publication  
**EP 3595248 A1 20200115 (EN)**

Application  
**EP 19191379 A 20161215**

Priority  
• US 201514985103 A 20151230  
• EP 16204542 A 20161215

Abstract (en)  
A network device operable as a provide edge router is described. The network device comprises one or more processors operably coupled to a memory; a configuration interface configured for execution by the one or more processors to receive configuration data configuring the network device as a provider edge router of an intermediate layer 3 network to provide multi-homed layer 2 virtual bridge connectivity to a customer edge device using an active-standby mode of operation; and a routing process configured for execution by the one or more processors to send, to a remote provider edge router in response to determining the network device is able to send layer 2 packets to the customer edge device, a route advertisement that includes a static route specifying a layer 3 address of the customer edge device as a next-hop for a layer 3 subnet.

IPC 8 full level  
**H04L 12/46** (2006.01); **H04L 45/02** (2022.01); **H04L 45/50** (2022.01); **H04L 45/74** (2022.01); **H04L 45/24** (2022.01); **H04L 45/28** (2022.01)

CPC (source: CN EP US)  
**H04L 12/4625** (2013.01 - EP US); **H04L 12/4641** (2013.01 - CN EP US); **H04L 45/02** (2013.01 - US); **H04L 45/04** (2013.01 - US); **H04L 45/22** (2013.01 - CN EP); **H04L 45/26** (2013.01 - US); **H04L 45/50** (2013.01 - CN); **H04L 45/66** (2013.01 - EP US); **H04L 45/74** (2013.01 - CN US); **H04L 69/321** (2013.01 - US); **H04L 45/033** (2022.05 - CN EP); **H04L 45/22** (2013.01 - US); **H04L 45/24** (2013.01 - US); **H04L 45/28** (2013.01 - EP US)

Citation (applicant)  
• US 24681008 A 20081007  
• NETWORK VIRTUALIZATION EDGE (NVE, 13 February 2014 (2014-02-13), Retrieved from the Internet <URL:https://tools.ietf.org/html/draft-yong-nvo3-nve-03>  
• BGP/MPLS IP VIRTUAL PRIVATE NETWORKS (VPNS, February 2006 (2006-02-01), Retrieved from the Internet <URL:https://tools.ietf.org/html/rfc4364>  
• INTEGRATED ROUTING AND BRIDGING IN EVPN, 18 October 2015 (2015-10-18), Retrieved from the Internet <URL:https://tools.ietf.org/html/draft-ietf-bess-evpn-inter-subnet-forwarding-01>

Citation (search report)  
• [A] US 9019814 B1 20150428 - MOHANTY SATYA RANJAN [US], et al  
• [A] US 8787149 B1 20140722 - RAMANATHAN RAMASAMY [US], et al  
• [AD] SAJASSI A ET AL: "BGP MPLS-Based Ethernet VPN; rfc7432.txt", BGP MPLS-BASED ETHERNET VPN; RFC7432.TXT, INTERNET ENGINEERING TASK FORCE, IETF; STANDARD, INTERNET SOCIETY (ISOC) 4, RUE DES FALAISES CH- 1205 GENEVA, SWITZERLAND, 18 February 2015 (2015-02-18), pages 1 - 56, XP015104549  
• [A] RABADAN J ET AL: "IP Prefix Advertisement in EVPN; draft-ietf-bess-evpn-prefix-advertisement-02.txt", IP PREFIX ADVERTISEMENT IN EVPN; DRAFT-IETF-BESS-EVPN-PREFIX-ADVERTISEMENT-02.TXT, INTERNET ENGINEERING TASK FORCE, IETF; STANDARDWORKINGDRAFT, INTERNET SOCIETY (ISOC) 4, RUE DES FALAISES CH- 1205 GENEVA, SWITZERLAND, 14 September 2015 (2015-09-14), pages 1 - 24, XP015108392  
• [A] WEIGUO HAO YIZHOU LI PEI XU HUAWEL: "Multi-homed network in EVPN; draft-hao-evpn-mhn-00.txt", MULTI-HOMED NETWORK IN EVPN; DRAFT-HAO-EVPN-MHN-00.TXT, INTERNET ENGINEERING TASK FORCE, IETF; STANDARDWORKINGDRAFT, INTERNET SOCIETY (ISOC) 4, RUE DES FALAISES CH- 1205 GENEVA, SWITZERLAND, 14 June 2013 (2013-06-14), pages 1 - 13, XP015090579

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**EP 16204542 A 20161215**; CN 201611243065 A 20161228; EP 19191379 A 20161215; US 201514985103 A 20151230